

# **DART SERVICE INSTRUCTION**

**TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-761 REV. H OR LATER APPROVED REVISION**

REF. TCCA STC: SH09-4

REF. FAA STC: SR03832NY

REF. EASA STC: 10028917

## **1.0 PURPOSE**

It has come to Dart's attention that the D412-761 Vertical Reference Door kits can cause increased wear of the upper and lower door pins for the LH Side Hinge Panel Door. The purpose of this Dart Service Instruction (DSI) is to provide instructions for the optional replacement of the hinge door latch pins on the LH Side Hinge Panel and installation of a bushing in the lower striker angle of aircraft equipped with D412-761 Vertical Reference Door Kits for improved longevity in service.

## **2.0 INSTALLATION**

1. With the Side Hinge Panel 412-030-029-101 open, remove the 205-030-505-003 upper latch pin per the Aircraft Maintenance Manual.
2. Install the D5729-3 Pin in place of the 205-030-505-003 Pin per the Aircraft Maintenance Manual. Refer to Figure 1.
3. Remove the 205-030-517-001 Lower Latch Pin per the Aircraft Maintenance Manual.
4. Install the D5729-1 Pin in place of the 205-030-517-001 Pin per the Aircraft Maintenance Manual. Refer to Figure 1.
5. Enlarge the hole in the lower striker angle to  $\phi 0.328"$  if necessary. Dry fit the D5729-5 Bushing in the hole to confirm that it will seat in the hole so that the top face of the bushing will be flush with the top surface of the striker angle. Drill the hole depth to accommodate the D5729-5 Bushing if required. Install the D5729-5 Bushing wet with PR 1422B $\frac{1}{2}$  Adhesive in the lower striker angle with the indexing notch on the outboard side and the top face of the D5729-5 Bushing flush with the top face of the striker angle. Refer to Figure 2. Allow the PR 1422B $\frac{1}{2}$  Adhesive to cure per manufacturer's instructions.
6. Verify proper opening, closing and latching of the LH Hinge Panel and Sliding Cabin Doors.
7. Update Aircraft Logbook to indicate installation of DSI 9827-011 Door Pin Kit.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	19.05.09
CERT. NO.:	SH09-4
ISSUE NO.:	5

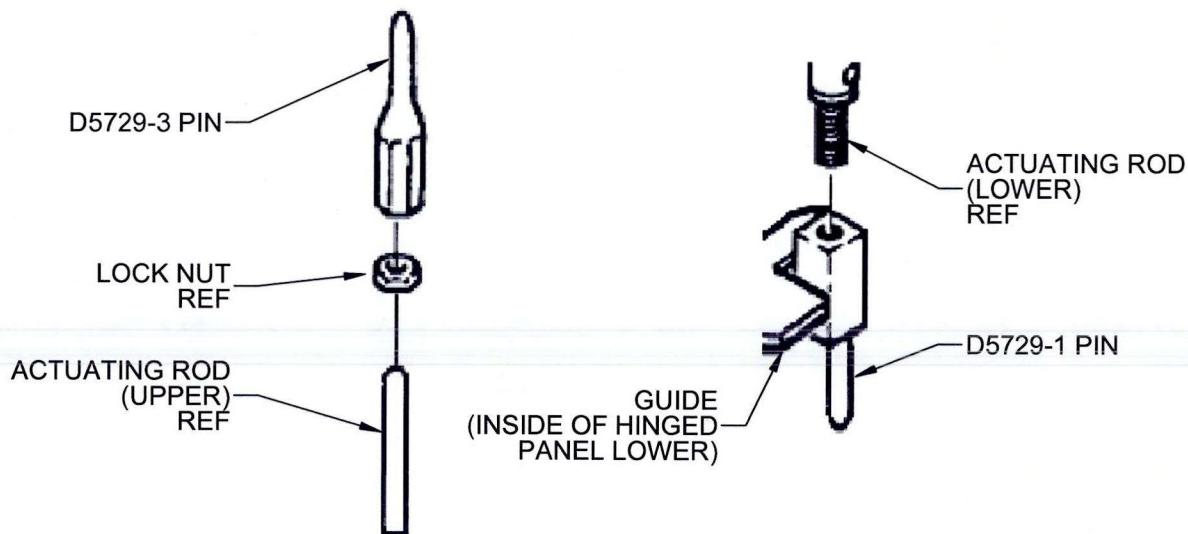
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A	NEW ISSUE		PM	19.05.09
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DESIGN	PM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
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DE APPR.	DS	DOOR PIN REPLACEMENT		
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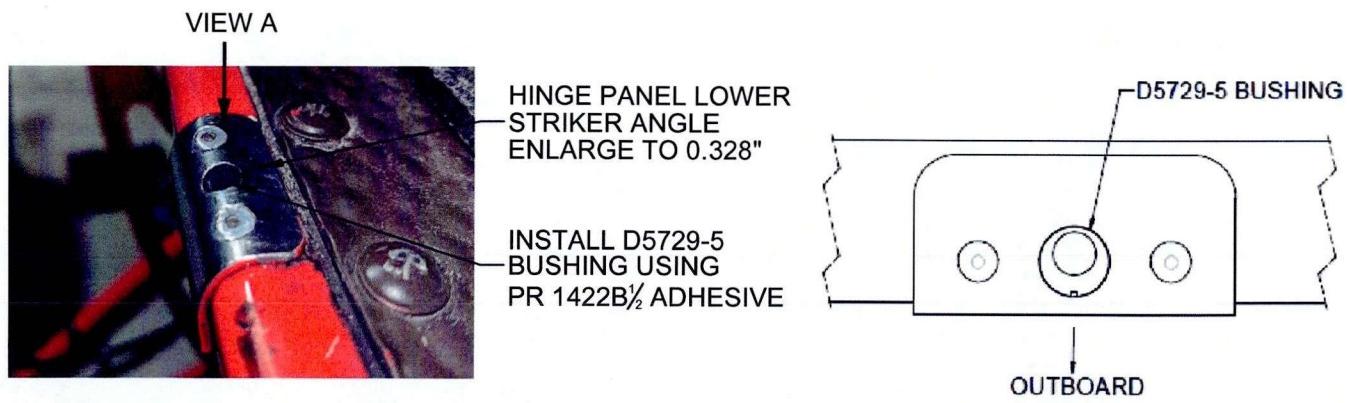
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### 3.0 PARTS LIST

Qty -011	Part Number	Description
X	DSI 9827-011	DOOR PIN KIT
1	D5729-1	DOOR PIN
1	D5729-3	DOOR PIN
1	D5729-5	BUSHING



**Figure 1 - Hinge Panel Latch Pin Installation**



**Figure 2 - Hinge Panel Lower Striker**

**VIEW A**

### 4.0 WEIGHT AND BALANCE

This DSI has negligible effect on Weight & Balance.

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MFG. APPR.	N/A	DSI 9827	
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DE APPR.	DS	DOOR PIN REPLACEMENT	NTS
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